

Remarks

Claims 1 and 3-10 are pending. By this Amendment, claims 1 and 3-7 have been amended and claim 2 has been cancelled. Reconsideration and allowance are respectfully requested in view of the above amendments and the following remarks. No new matter is believed added.

Claims 1-10 are rejected under 35 U.S.C. §102(b) over Werner (EP 0 840 522). This rejection is defective because Werner fails to teach each and every feature of the present invention as required by 35 U.S.C. §102(b).

Claim 1 presents a digital video-processing unit including a memory manager and a processor for processing input data into output data, wherein "an output of the processor is coupled to an input of the memory manager, wherein the memory manager is further arranged to transfer the output data signal from the processor to the memory means for storing the output data signal, and to transfer the stored output data signal from the memory means to the display unit, and wherein the memory manager is further arranged to transfer the stored data output signal from the memory means to the processor, and said processor is further arranged to execute a further operation on the stored data output signal." Thus, the same processor in claim 1 processes input data into output data, transfers the output data to the memory means for output to a display unit, receives the stored output data signal it previously produced from the memory means, and executes a further operation on the stored output data signal. This operation is illustrated in FIG. 3 of the present patent application. Werner fails to teach a digital video-processing unit including such a memory manager and processor. On the contrary, Werner's

video processing unit 13 requires the use of a memory manager 22 and a **pair of separate processing engines 24 (decoding engine) and 25 (scaling engine)** to perform similar processing as that of the single processor of claim 1. In particular, as disclosed in Werner, col. 5, lines 28-31, "[s]eparate processing "engines" 24 and 25 perform these operations, first decompression and then resizing. These engines 24 and 25 share a memory 23 that stores the data to be operated on." Accordingly, because Werner fails to teach each and every feature of claim 1, Applicant respectfully submits that claim 1 is allowable.

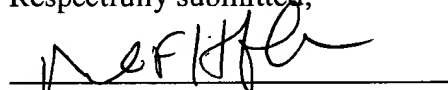
Claims 3-10 depend from independent claim 1, and are, therefore, patentable for at least the reasons set forth above.

Accordingly, Applicant respectfully submits that claims 1 and 3-10 are in condition for allowance.

In light of the above, Applicant submits that all claims are in condition for allowance. If the Examiner believes that anything further is necessary to place the application in condition for allowance, the Examiner is requested to contact Applicant's undersigned attorney at the telephone number listed below.

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Respectfully submitted,



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